

Name: \_\_\_\_\_

**pb1103: Factoring when  $a = \text{prime}$  (v24)**

1. Factor the expression  $11x^2 - 84x - 32$

$$(11x + 4)(x - 8)$$

2. Factor the expression  $3x^2 - 13x - 10$

$$(3x + 2)(x - 5)$$

3. Factor the expression  $2x^2 + 15x - 8$

$$(2x - 1)(x + 8)$$

4. Factor the expression  $11x^2 + 62x - 24$

$$(11x - 4)(x + 6)$$

5. Factor the expression  $5x^2 - 6x + 1$

$$(5x - 1)(x - 1)$$

6. Factor the expression  $5x^2 + 43x + 56$

$$(5x + 8)(x + 7)$$

7. Factor the expression  $5x^2 - 23x + 24$

$$(5x - 8)(x - 3)$$

8. Factor the expression  $5x^2 - 7x + 2$

$$(5x - 2)(x - 1)$$

9. Factor the expression  $3x^2 + 14x + 15$

$$(3x + 5)(x + 3)$$

10. Factor the expression  $3x^2 + 19x - 72$

$$(3x - 8)(x + 9)$$